

notch filter is connected between the input of the bandpass filter and ground or between the output of the bandpass filter and ground.

3. (Previously Cancelled).

4. (Original) A filter arrangement as claimed in claim 1, characterized in that the bandpass filter comprises a filter arrangement of resonators.

5. (Previously Amended) A filter arrangement as claimed in claim 4, characterized in that the filter arrangement comprises bulk acoustic wave resonators, surface acoustic wave resonators, or ceramic electromagnetic resonators.

6. (Previously Amended) A filter arrangement as claimed in claim 5, characterized in that a bulk acoustic wave resonator comprises a resonator unit and a reflection element (2) which is arranged between the substrate (1) and the resonator unit.

7. (Original) A filter arrangement as claimed in claim 1, characterized in that the notch filter comprises a capacitor and an inductance.

8. (Fourth Time Amended) A method of manufacturing a filter arrangement, which comprises a substrate and provided thereon a bandpass filter of bulk acoustic wave resonators and a notch filter, by which method

- a second electrode (5), a piezoelectric layer (4), and a first electrode (3) are provided on a carrier layer with said second electrode (5) adjoining said carrier layer, and are structured such that at least one resonator unit, a capacitor, and an inductance are created,
- a reflection element (2) is deposited on those portions of the first electrode (3) which belong to the resonator unit,

- a substrate (1) is fastened on said first electrode (3), and the carrier layer is removed.

9. (Previously Cancelled).

10. (Previously Cancelled).

11. (Previously Cancelled).

12. (Previously Cancelled).

13. (Previously Added) A filter arrangement as claimed in claim 1, characterized in that the bandpass filter and the notch filter are thin-film filters.

14. (Previously Added) The method of claim 8, wherein said carrier layer consist of a ceramic material, a ceramic material with a planarizing layer of glass, a glass-ceramic material, silicon, GaAs or sapphire.

15. (Previously Cancelled).

16. (Previously Cancelled).

REMARKS

This RCE is responsive to the final Office Action dated February 21, 2003 in which the Examiner holds the rejections in the previous response dated September 16, 2002 and rejects all the pending claims either as being anticipated by Ella (U.S. Patent No. 5,910,756) under 35 U.S.C. §102(b) or as being obvious over the combination of Ella patents (U.S. Patent Nos. 5,910,756 and 5,714,917) under 35 U.S.C. §103(a). In particular, the Examiner asserts that the added limitations "exclusively" and "opposite" do not make independent claims 1 and 8 distinguishable from the cited prior art.

The applicants have further amended independent claims 1 and 8 to more clearly define the present invention. In particular, the applicants have removed the wording "exclusively" and "opposite", which are held by the Examiner as not distinguishable over the cited patents. Instead, the applicants have added in claim 1 a feature that "~~the notch filter does not generate a passband~~", and have rewritten claim 8 in clearer language. The applicants believe such amendments have rendered